

NPL Partial Site Deletion Narrative

Lakewood Lakewood, Washington

On November 27, 1996, EPA deleted the soil unit of the Lakewood Site from the National Priorities List (NPL).

The Lakewood site is located in Lakewood (Pierce County), Washington. This partial deletion pertains only to the soil unit, and includes all contaminated soil/sludge on the Plaza Cleaners property. Plaza Cleaners, a dry cleaning business, was the source of the soil and ground water contamination at the Lakewood Site. The regional aquifer was contaminated within about a 2,000-foot radius downgradient from the Plaza Cleaners. The ground water unit will remain on the NPL, and treatment via air stripping will continue at the Lakewood Water District production wells.

In 1987, a soil vapor extraction system (SVES) was installed within the contaminated area to extract perchloroethylene (PERC), a solvent used by the dry cleaner, from the shallow unsaturated soil. Soil sampling in 1990 indicated elevated concentrations of PERC at about 12 feet below the surface. Based on concerns that the SVES would not be able to reduce PERC concentrations below the 500 parts per billion (ppb) cleanup level, EPA excavated the contaminated sludge and soil to a maximum depth of 18 feet, and disposed of it off-site. Soil and vapor testing continued until soil treatment was deemed complete. On-site soil remediation activities were completed in July 1992, including the dismantling and decommissioning of the SVES. Subsequent sampling confirmed that attainment of the 500 ppb soil cleanup goal was achieved.

EPA has determined that no further action is necessary to protect human health and the environment in relation to soil contamination at the Site. The State of Washington, through the Department of Ecology, has concurred on EPA's final determination regarding the partial deletion.